

WHAT IS CLAIMED IS:

1. An optical resonator comprising:

a first substrate and a second substrate which face each other, the first substrate having a flat main surface on the side facing the second substrate and the second substrate having a concave portion and a flat portion surrounding the concave portion on the side facing the first substrate;

a first reflective mirror provided on the main surface of the first substrate; and

a second reflective mirror provide at least on the surface of the concave portion,

wherein the main surface of the first substrate and the flat portion of the second substrate are bondable.

2. A laser oscillator comprising:

a solid-state laser medium;

a substrate which is bonded to the solid-state laser medium and which has a concave portion and a flat portion surrounding the concave portion on the side facing the solid-state laser medium;

a first reflective mirror provided on or adjacent to a main surface of the solid-state laser medium on the side opposite to the substrate; and

a second reflective mirror provided at least on the surface of the concave portion of the substrate,

wherein the first and the second reflective mirrors serve as a laser resonator.

3. A laser oscillator according to Claim 2, wherein the first reflective mirror is provided on the main surface of the solid-state laser medium.

4. A laser oscillator according to Claim 2, wherein the first reflective mirror is provided on another substrate which is bonded to the main surface of the solid-state laser medium.

5. A laser oscillator according to Claim 2, wherein the free spectral range  $\Delta\lambda_{\text{FSR}}$  of the laser resonator is larger than the half-width at half-maximum  $\Delta\lambda$  of the emission spectrum of the solid-state laser medium.